

ABSTRACT

This invention provides a hydraulic reinforcing material (unhardened substance) itself, and a reinforcing material (hardened substance) itself obtained by hardening the hydraulic reinforcing material which are useful for reinforcing/repairing a construction, and for manufacture of a reinforcing structural element to serve as a component structure of a construction; method for producing such a reinforcing material; a reinforcing/repairing method consisting of applying said reinforcing material to a construction or natural object, and a structure useful for such reinforcement/repair; and a structural element (structural component) incorporating the reinforcing material. The hydraulic reinforcing material (unhardened substance) comprises reinforcing fiber and unhardened, dry hydraulic inorganic powder bound together through an organic binder. The hydraulic reinforcing material has a flexibility before it contacts with water, and hardens on contact with water. The hydraulic reinforcing material effectively reinforces/repairs a construction, by being applied on its application surface, being laid below concrete placed on the application surface, or serving as a reinforcing material of structural elements.